

REMARKS

The Examiner has rejected claims 1 and 2 as unsupported by the specification as filed. Applicant has canceled claims 1 and 2 and presents new claims 3 and 4, which are fully supported by the discussion of catheter fabrication spanning pages 10 and 11 of the specification. In general the catheter is formed from a braid made up of a number of insulated wires. Reference numerals in the claim indicate the disclosure for the structure and steps of this method.

A voltage is applied to one pin of the proximal connector. This electrical connection corresponds to one of the wires in the braid. The voltage at the distal end of the device where the braid is exposed is measured thus identifying which wire in the bundle is associated with the wire. Next the voltage is raised yet higher to spark through the insulation thus exposing an electrode site on the wire. This process is described with both structural and process limitations in claim 3, and the process may be repeated for a variety of wires as set forth in claim 4. Kindly cancel the existing claims, enter the new claims and examine them.

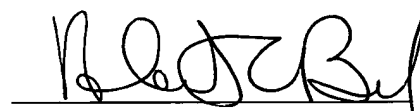
CONCLUSION

All of the claims remaining in this application should now be seen to be in condition for allowance. The prompt issuance of a notice to that effect is solicited.

Respectfully submitted,
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Version with Markings to Show Changes

1. ~~(cancel)~~ A method of associating a connection in a proximal plug on a mapping catheter with an electrode associated with a wire on the distal end of said mapping catheter, the method comprising the steps of:
 - a) applying an electrical voltage to a connection in said proximal plug;
 - b) detecting the resultant electrical voltage on the corresponding wire electrode site at said distal end of said mapping catheter; and
 - c) identifying and associating the electrode with the complimentary proximal plug connection.
2. ~~(cancel)~~ A method of associating a connection in a proximal plug on a mapping catheter with an electrode associated with a wire on the catheter, the method comprising the steps of:
 - d) applying an electrical voltage to the electrode;
 - e) detecting the electrical voltage on the proximal plug connection; and
 - f) identifying and associating the proximal connection with the corresponding complimentary electrode.
3. (new) A method of finding the electrical pin out of the proximal connector (79), said connector having a plurality of connections associated with each of several wires (93-96) of a catheter of the type having multiple insulated wires (93-96) forming a braid (75) comprising the steps of:
 - a) exposing the braid;
 - b) applying high voltage electrical energy to one of said proximal connections;
 - c) detecting the presence of said high voltage electrical energy a a specific wire in said braid thereby determining the location of the wire in the braid;
 - d) applying a higher voltage to the location to form an electrode site by breaking down the insulation at said site.
4. (new) The method of claim 3 further comprising repeating steps b) through d) until all the wires are processed.

Replacement Claims

3. A method of finding the electrical pin out of the proximal connector (79), said connector having a plurality of connections associated with each of several wires (93-96) of a catheter of the type having multiple insulated wires (93-96) forming a braid (75) comprising the steps of:
 - a) exposing the braid;
 - b) applying high voltage electrical energy to one of said proximal connections;
 - c) detecting the presence of said high voltage electrical energy a a specific wire in said braid thereby determining the location of the wire in the braid;
 - d) applying a higher voltage to the location to form an electrode site by breaking down the insulation at said site.
4. The method of claim 3 further comprising repeating steps b) through d) until all the wires are processed.